

July

714.04 WATERBORNE TRAFFIC PAINT

Furnish waterborne traffic paint in accordance with Table 714-2. Where the NTPEP method is specified, recorded NTPEP results must be within the specifications shown.

TABLE 714-2
WATERBORNE TRAFFIC PAINT COMPOSITION

Test	Specification	Method
Color (x, y, Y) ¹	ASTM D6628	ASTM D6628 and ASTM D7585
Durability (Wheel)	minimum of 6 at 12 months	NTPEP
Luminance	white: ≥30 at 12 months yellow: ≥20 at 12 months	NTPEP
Viscosity (Krebs Stormer), K.U. at 77 °F (25 °C)	80-95	ASTM D562
Density deviation	maximum of ±0.30 lbs/gallon (±35.9 g/L) from density target	ASTM D1475
Contrast ratio	0.92	MT 545
Dry no track	90 seconds	NTPEP
Freeze-thaw stability	Δ10KU	ASTM D2243
Static heat stability	Δ10KU	MT 548
Bleeding ratio	0.95 minimum	ASTM D868
Skinning and lumps	Pass	MT 549
Settling	Pass	MT 549
Skinning	Pass	MT 549
NTPEP lab test verification	must match NTPEP	NTPEP and MT 543
Antimony	≤20.0 mg/Kg	MT 544
Arsenic	≤20.0 mg/Kg	
Cadmium	≤4.0 mg/Kg	
Chromium	≤5.0 mg/Kg	
Cobalt	≤20.0 mg/Kg	
Lead	≤20.0 mg/Kg	
Mercury	≤1.00 mg/Kg	
Tin	≤20.0 mg/Kg	

Note 1: Furnish black paint in accordance with color chip 37038 of Federal Standard 595B.

714.05 HIGH DURABILITY WATERBORNE TRAFFIC PAINT

Furnish high durability waterborne traffic paint in accordance with Table 714-3. Where the NTPEP method is specified, recorded NTPEP results must be within the specifications shown.

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**TABLE 714-3
HIGH DURABILITY WATERBORNE TRAFFIC PAINT COMPOSITION**

Test	Specification	Method
Color (x, y, Y) ¹	ASTM D6628	ASTM D6628 and ASTM D7585
Durability (wheel)	minimum of 8 at 24 months	NTPEP
Luminance	white: ≥30 at 12 months yellow: ≥20 at 12 months	NTPEP
Viscosity (Krebs Stormer), K.U. at 77 °F (25 °C)	80-95	ASTM D562
Density deviation	maximum of ±0.30 lbs/gallon (±35.9 g/L) from density target	ASTM D1475
Contrast ratio	0.92	MT 545
Dry no track	10 minutes maximum	NTPEP
Freeze-thaw stability	Δ10KU	ASTM D2243
Static heat stability	Δ10KU	MT 548
Bleeding ratio	0.95 minimum	ASTM D868
Skinning and lumps	Pass	MT 549
Settling	Pass	MT 549
Skinning	Pass	MT 549
NTPEP lab test verification	must match NTPEP	NTPEP and MT 543
Antimony	≤20.0 mg/Kg	MT 544
Arsenic	≤20.0 mg/Kg	
Cadmium	≤4.0 mg/Kg	
Chromium	≤5.0 mg/Kg	
Cobalt	≤20.0 mg/Kg	
Lead	≤20.0 mg/Kg	
Mercury	≤1.00 mg/Kg	
Tin	≤20.0 mg/Kg	

Note 1: Furnish black paint in accordance with color chip 37038 of Federal Standard 595B.

714.06 EPOXY OR OTHER POLYMERIC TRAFFIC PAINT

Furnish epoxy or other polymeric traffic paint in accordance with Table 714-4. Where the NTPEP method is specified, recorded NTPEP results must be within the specifications shown.

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**TABLE 714-4
EPOXY OR OTHER POLYMERIC TRAFFIC PAINT COMPOSITION**

Test	Specification	Method
Color (x, y, Y) ¹	ASTM D6628	ASTM D6628 and ASTM D7585
Durability (wheel)	minimum of 7 at 36 months	NTPEP
Luminance	White: ≥30 at 36 months Yellow: ≥15 at 36 months	NTPEP
Dry no track	45 minutes maximum	NTPEP
NTPEP lab test verification	must match NTPEP	NTPEP and MT 543
Antimony	≤20.0 mg/Kg	MT 544
Arsenic	≤20.0 mg/Kg	
Cadmium	≤4.0 mg/Kg	
Chromium	≤5.0 mg/Kg	
Cobalt	≤20.0 mg/Kg	
Lead	≤20.0 mg/Kg	
Mercury	≤1.00 mg/Kg	
Tin	≤20.0 mg/Kg	

Note 1: Furnish black paint in accordance with color chip 37038 of Federal Standard 595B.